

Steve Goodkind, P.E.
Public Works Director

Laurie Adams
Assistant Director



P.O. Box 878
Burlington, VT 05402

(802) 863-4501 P
(802) 864-8233 F

MEMO

To: Burlington Board of Finance
From: Laurie Adams, Assistant Director DPW Water Quality
Date: July 2, 2010

Re: Recommendation to Purchase & Finance Equipment for Wastewater Division

The North Wastewater Plant hauls sludge in a 4,000 gallon tanker truck from the North Avenue plant to Main Wastewater for dewatering. The current truck and tanker dates from 1994 and has certainly served well given that they haul up to 200,000 gallons/month or 50 plus loads/trips.

DPW Equipment Maintenance received bids in May 2010 from four vendors for the replacement of the 1994 tanker. Both Wastewater and Equipment Maintenance staff recommend the low bidder J & B International for the award at a net cost less trade of \$149,573. This purchase is part of the FY11 Wastewater budget. The bid summary sheet along with the bids is attached as part of this submission.

We ask for the support of the Board of Finance to purchase and finance the sludge tanker from J & B International for \$149,573.



**CITY OF BURLINGTON
DEPARTMENT OF PUBLIC WORKS**

645 Pine St. Suite A
Burlington, VT 05401
802.864.0166 VOX
802.865.7159 FAX
802.863.0450 TTY

Steven Goodkind, P.E.
*DIRECTOR OF PUBLIC WORKS
CITY ENGINEER*

Claude Raineault
Interim FLEET MANAGER

The City of Burlington, Department of Public Works respectfully requests a quote for a new, current model year tandem axle waste water tanker truck. The City will be trading in a 1994 International 2574 tandem axle tanker truck.. The new truck will have a 4000 gallon tank and vacuum pump as per equipment spec installed before delivery. The truck will be used to haul sludge from the wastewater treatment plants within the city. The truck must be complete and to the City's approval before accepting delivery. All quotes must include a firm delivery date from time vendor is chosen. Vendor chosen will be liable for having truck delivered ready for service in given time frame or a late penalty set by The City of Burlington will be assessed in the amount of \$100/day. The truck must meet the below specifications at a minimum. Please indicate any exception to the specifications in detail. Any pre-delivery mileage must be indicated with quote if over 300 miles.

CAB & CHASSIS SPECIFICATIONS

1. Wheel base to be determined and specified by needs of equipment being installed on chassis by truck dealer and equipment vendor.
2. **Frame rails** heat treated alloy steel (110,000 psi yield minimum).
3. **Frame Reinforcement** full outer "C" channel, heat-treated alloy steel (110,000-psi yield).
4. **Bumper**, front full width.
5. **Axle, front**, I beam type, 18,000lb capacity, with oil lubricated wheel bearings.
6. **Suspension, front**, spring multileaf, shackle type: 20,000lb capacity, with shock absorbers.
7. **Wheels, front**, disc; 22.5" painted steel, 10 stud hub piloted, flange nut.
8. **Tires, front**, 315R22.5, load range L, 20 ply. (Goodyear preferred)
9. **Brake system**, air dual system for straight truck application.
10. **Brakes, front**, air s-cam; 16.5" x 6.0" quick change type shoes, outboard hubs and drums; with 24 sq. in. brake chambers, and automatic slack adjusters.
11. **Brakes, rear**, air s-cam 16.5" x 7.0" quick change type shoes, with 30 sq. in. spring actuated parking brake chambers and automatic slack adjusters.

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12. **Air brake ABS** as required by DOT.
13. **Air dryer** (Bendix AD-9 preferred) with heater.
14. **Air compressor** (Bendix Tu-Flow 550 preferred) 13.2 CFM minimum.
15. **Air tank** capable to have female quick disconnect to have air hose attached.
16. **Steering column** tilting with 18" steering wheel
17. **Power steering gear.**
18. **Engine, Diesel**, electronic controlled 380 h.p. @ 2100 rpm, 1450 lb-ft torque @ 1200 rpm
Aprox. with Jacobs engine brake, with selector switch.
19. **Throttle**, remote control and operator programmable.
20. **Engine block heater.**
21. **Radiator**, largest available.
22. **Radiator and Heater hoses**, all molded silicone.
23. **Anti-freeze** to -40 degrees.
24. **Coolant Filter.**
25. **Fan drive**, viscous
26. **Transmission, Automatic**, Allison HD-4560P, 6 speed; with PTO gear
27. **Transmission oil cooler**
28. **External transmission filter (if available).**
29. **Allison WT spare input/output** for sewer evacuator use.
30. **Axle, rear, tandem**, single reduction, 46,000lb capacity; with operator controlled main locking differential in forward rear axle.
31. **Suspension, rear, tandem**, walking beam type. 46,000lb capacity, with rubber springs, rubber end bushings, shock absorbers and transverse torque rods.
32. **Wheels, rear dual disk, 22.5" painted steel, 10-stud hub piloted, flanged nut.**
33. **Tires, rear, 12R22.5 load range H, 16 ply**, (Goodyear preferred), and a spare tire and rim.
34. **Exhaust system**, single vertical muffler and tailpipe mounted right side.
35. **Electrical system**, 12 volt
36. **Power accessory outlet.**
37. **Horn**; air (2) Grover (preferred) with snow shields, and electric on steering wheel.
38. **Alternator**, 12 volt, 145 amp minimum
39. **Battery system**, 3 maintenance free 12 volt 1950CCA total .
40. **Battery box** mounted right side under cab
41. **Master Battery Disconnect Switch**, located in the cab and mounted on the dash.
42. **PTO control**, dash mounted to be compatible with vendor supplied pto.
43. **Auxillary 12 volt accessory switches.**
44. **Radio**, am/fm stereo with cd player
45. **Windshield wipers**, intermittent for electric wipers.
46. **Indicator**, low oil pressure/ high coolant temperature, light and audible; electronic controlled.
47. **Gauges**, fuel, air, oil pressure, transmission temp and pressure, hour meter, speedometer, and tachometer.
48. **Headlights**, halogen.
49. **Circuit breakers**, replace fuses.
50. **Backup alarm** , to be installed in a location that can be heard clearly and also out of weather.
51. **Cab** , conventional, steel, with rear air bag type suspension.

52. **Grab handles**, for ease of cab entry
53. **Front end**, fiberglass tilting hood.
54. **Paint**, premium class, base coat/clear coat, Dark green in color.
55. **Glass**, all windows tinted.
56. **Mirrors**, (2) West Coast type, stainless steel, 16" x 7" heated, and (2) stainless steel 8" convex mirrors.
57. **Fuel tank**, top draw, rectangular, steel, 100 US gallons, with center step, mounted on the **left side**, under the cab.
58. **Cab interior**, deluxe trim, vinyl floor
59. **Air conditioning**
60. **Power windows**
61. **Seat drivers**, cloth, and highest quality air suspension seat available.
62. **Seat passenger**, non-suspension, and low back vinyl. (no bench seat)
63. **Interior storage**.
64. **Heat**, with defroster.
65. **Complete set of service manuals to include electrical and diagnosis manuals, quote to include both electronic and hardcopy manuals. Also include in quote, engine diagnostic software for shop use.**
66. **DOT safety kit.**
67. **All lighting to be of LED design**
68. **All electrical connections to be weather proof weather pack style or equivalent and to include rubber grommets and harness clamps where needed, all wires to be either in a harness or cable style installed neatly and professionally.**
69. **Motorola 4 channel two way radio, to be installed in location specified by City of Burlington Public Works and programmed to needed city channels.**

Please use the bid form provided when returning your bid.

The City of Burlington has the right to accept or reject any and all bids received, regardless of amount bid, and award to the vender that best meets the needs of the City.

Quotes must be received at Burlington Public Works, 645 Pine St. Burlington Vt. 05401 by 1pm. May 12, 2010



CITY OF BURLINGTON
DEPARTMENT OF PUBLIC WORKS

645 Pine St. Suite A
Burlington, VT 05401
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TANKER BODY & PUMP SPEC PACKAGE

The City of Burlington, Department of Public Works requests quotes on a new 4000 gallon tank and vacuum pump with related hardware installed on a new tandem axle truck, **quoted directly to the cab & chassis provider**. The bid must meet the following specifications. Any exception to the specifications must be indicated in detail as part of submitted documentation.

1. 1/4" carbon steel, shell and heads
2. Epoxy lined inside
3. 2 baffles (minimum)
4. Top manhole 20" minimum
5. Rear manhole 24" minimum
6. Tank level indicator, an internal float, with an external indicator located on the left side of tank.
7. Rear discharge, heated, 4" mounted on the very bottom of the tank. Discharge valve will have a quick opening, air operated, brass valve. Operator must visually be able to tell if valve is opened or closed. Operator must be able to open and close valve from rear of truck with a pneumatic switch. Valve must not go beyond rear bumper.
8. Discharge valve will have the proper coupling and with cap and chain to fit hoses that will be provided.
9. 1" Ball valve at rear of tank located near the 4" discharge valve for sampling .
10. Discharge hoses (2 four inch, 10' lengths coupled together)
11. Tank mounted decking on drivers and passengers sides, with ladder rungs mounted on the tank to reach top manhole.
12. Rear bumper, with a small platform and step

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13. (2) Toolboxes approximately 24" x 24" x 36" in size,
14. All DOT approved lighting of an LED design
15. 4 floodlights, 2 mounted on the rear, and 2 mounted on the left side above vacuum pump.
16. Strobe lights Whelen 2020HDA mounted on roof of cab, rear strobes be of an led oval 12 volt design.
17. (4) Mud flaps with anti-sail brackets.
18. Hose racks.
19. Tank will be painted to match color of truck.
20. As an option price stainless steel decking around tank versus steel.
21. Electrical harnesses and connectors shall be of a weatherproof weather pack design or equivalent, grommets and harness clamps used where needed, all wiring to be in a harness or cable, installed neatly and professionally.

VACUUM/PRESSURE SYSTEM

The vacuum pump shall be a Transway TSI 1200 or equivalent in performance and design. The pump should be oil lubed and have a sufficient cooling system. At times it will suck material, through a 100', 6" hose from digesters that have 8-10% solids in them. The vacuum pump will be located on the driver's side behind the cab and driven from the transmission pto. The vacuum pump must be able to be easily service and repaired. Pump controls for operating must be conveniently located adjacent the pump and weather proof. The vacuum pump must have the following options.

1. Vacuum and pressure gauges
2. Primary and Secondary shutoffs
3. Oil catch muffler
4. Vacuum relief valve
5. Pressure relief valve
6. Hinsilblon odor control treatment

The City of Burlington has the right to accept or reject any and all bids, regardless of amount bid, and award to the vender that best meets the needs of the City.

Quotes must be received at Burlington Public Works, 645 Pine St. Suite A,
Burlington, Vt, 05401 by 1 p.m. May 12, 2010.



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CITY ENGINEER

CLAUDE RAINEAULT
FLEET MANAGER

To: City of Burlington Vt.
Dept. of Public Works

Quote for (please describe) TANDEM AXLE WASTE WATER TANKER TRUCK

Year, make, model: 2011 INTERNATIONAL MODEL 7600 SBA 6X4

Price: \$155,147.60

Trade In Allowance of 1994 International 2574 Tanker
\$ 8,500.00

Option for Stainless steel decking: Cost:

SEE ATTACHED BODY QUOTE OPTION SECTION: \$1,900.00

Less net trade (if applicable): _____

Net quote: \$146,647.60

Estimated time of delivery once order is made. CHASSIS AUGUST / BODY SEPTEMBER

Please list any exceptions to the specified equipment

FUEL TANK IS ALUMINUM IN LIEU OF STEEL

Company Name: J&B INTERNATIONAL TRUCKS, INC.

Address: 964 HERCULES DRIVE

COLCHESTER, VT 05446

Telephone: 802 655-1000

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Authorized Signature: _____

Date: 5/12/10

The City of Burlington reserves the right to accept or reject any and all bids, regardless of the amount quoted, and award to the vendor best meeting the needs of the City.



7600 SBA 6x4 2010

Sales Proposal For:

CITY OF BURLINGTON, DEPT

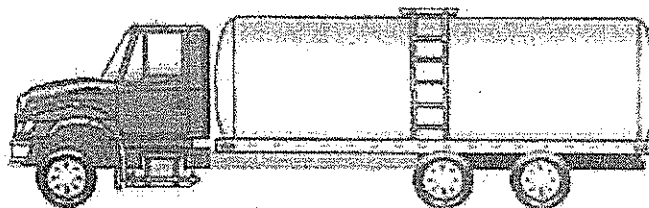
Presented By:

J&B INTERNATIONAL TRUCKS, INC.

Prepared For:
CITY OF BURLINGTON, DEPT
CLAUDE RAINEAULT
PUBLIC WORKS OFFICE
BURLINGTON, VT 05401-
(802)864-0166
Reference ID: N/A

Presented By:
J&B INTERNATIONAL TRUCKS, INC.
Edward J. Cleary
964 HERCULES DRIVE
COLCHESTER VT 05446 -
(802)555-1000

Thank you for the opportunity to provide you with the following quotation on a new International truck. I am sure the following detailed specification will meet your operational requirements, and I look forward to serving your business needs.



Model Profile

2011 7600 SBA 6X4 2010 (SF667)

APPLICATION:	Severe Service Tank
MISSION:	Requested GVWR: 58000, Calc. GVWR: 64000 Calc. Start / Grade Ability: 0% / 0% @ 0 MPH Calc. Geared Speed: N/A
FUEL ECONOMY:	N/A
DIMENSION:	Wheelbase: 222.00, CA: 154.90, Axle to Frame: 67.00
ENGINE, DIESEL:	(MaxxForce 11) EPA 10, 390 HP @ 1700 RPM, 1450 lb-ft Torque @ 1000 RPM, 2100 RPM Governed Speed, 390 Peak HP (Max)
TRANSMISSION, AUTOMATIC:	(Allison 4500_RDS_P) 4th Generation Controls; Wide Ratio, 6-Speed, With Double Overdrive; On/Off Hwy; Includes Oil Level Sensor, With PTO Provision, Less Retarder
CLUTCH:	Omit Item (Clutch & Control)
AXLE, FRONT NON-DRIVING:	(Meritor MFS-18-133A) Wide Track, I-Beam Type, 18,000-lb Capacity
AXLE, REAR, TANDEM:	(Meritor RT-46-164EH) Single Reduction, Standard Width, 48,000-lb Capacity, With Driver Controlled Locking Differential in Rear Rear Axle and 200 Wheel Ends Gear Ratio: 5.63
CAB:	Conventional
TIRE, FRONT:	(2) 315/80R22.5 G289 WHA (GOODYEAR) 484 rev/mile, load range L, 20 ply
TIRE, REAR:	(8) 12R22.5 HDR (CONTINENTAL) 481 rev/mile, load range H, 16 ply
SUSPENSION, REAR, TANDEM:	(Hendrickson HMX-460-54) Walking Beam Type 54" Axle Spacing; 48,000-lb Capacity, With Rubber End Bushings, Transverse Torque Rods, Less Shock Absorbers
FRAME REINFORCEMENT:	Outer "C" Channel, Heat Treated Alloy Steel (120,000 PSI Yield); 10.813" x 3.892" x 0.312", (274.6mm x 98.9mm x 8.0mm); 480.0" (12192mm) Maximum OAL
PAINT:	Cab schematic 100GS Location 1: 5047, Green (Prem) Chassis schematic N/A

INTERNATIONAL

Vehicle Specifications
2011 7600 SBA 6X4 2010 (SF667)

May 11, 2010

<u>Code</u>	<u>Description</u>	<u>F/R Wt</u> (lbs)	<u>Total Wt</u> (lbs)	<u>List</u> (USA DOLLAR)
SF66700	Base Chassis, Model 7600 SBA 6X4 2010 with 222.00 Wheelbase, 154.90 CA, and 67.00 Axle to Frame.	7815/6963	14778	\$126,128.00
1CSU	FRAME RAILS Heat Treated Alloy Steel (120,000 PSI Yield); 10.125" x 3.580" x 0.312" (257.2mm x 90.9mm x 8.0mm); 480.0" (12192) Maximum OAL	141/155	296	\$0.00
1GBP	FRAME REINFORCEMENT Outer "C" Channel, Heat Treated Alloy Steel (120,000 PSI Yield); 10.813" x 3.892" x 0.312" (274.6mm x 98.9mm x 8.0mm); 480.0" (12192mm) Maximum OAL	0/0	0	\$1,432.00
1LLA	BUMPER, FRONT Steel, Swept Back <u>Includes</u> : BUMPER, FRONT Powder Coated Gray (Argent) Color	0/0	0	\$0.00
1WHP	WHEELBASE RANGE 183" (465cm) Through and Including 248" (630cm)	0/0	0	\$637.00
2ARZ	AXLE, FRONT NON-DRIVING (Meritor MF5-18-133A) Wide Track, I-Beam Type, 18,000-lb Capacity	141/0	141	\$2,088.00
3705	SHOCK ABSORBERS, FRONT	47/0	47	\$265.00
3AHU	SUSPENSION, FRONT, SPRING Multi-Stage, Taper Leaf; 20,000-lb Capacity <u>Includes</u> : SPRING PINS Rubber Bushings, Maintenance-Free	0/0	0	\$550.00
4091	BRAKE SYSTEM, AIR Dual System for Straight Truck Applications <u>Includes</u> : BRAKE LINES Color and Size Coded Nylon : DRAIN VALVE Twist-Type : DUST SHIELDS, FRONT BRAKE : DUST SHIELDS, REAR BRAKE : GAUGE, AIR PRESSURE (2) Air 1 and Air 2 Gauges; Located in Instrument Cluster : PARKING BRAKE CONTROL Yellow Knob, Located on Instrument Panel : PARKING BRAKE VALVE For Truck : QUICK RELEASE VALVE Bendix On Rear Axle for Spring Brake Release: 1 for 4x2, 2 for 6x4 : SLACK ADJUSTERS, FRONT Automatic : SLACK ADJUSTERS, REAR Automatic : SPRING BRAKE MODULATOR VALVE R-7 for 4x2, SR-7 with relay valve for 6x4 <u>Notes</u> : Rear Axle is Limited to 45,000-lb GAWR with Code 04091 BRAKE SYSTEM, AIR and Standard Rear Air Cam Brakes Regardless of Axle /Suspension Ordered.	0/0	0	\$0.00
4193	BRAKES, FRONT, AIR CAM 16.5" x 6", Includes 24 Sqin Long Stroke Brake Chambers	0/0	0	\$0.00
4585	AUXILIARY GLAD HAND CONNECTOR on Air Reservoir	5/2	7	\$173.00
4732	DRAIN VALVE (Berg) Manual; With Pull Chain, for Air Tank	0/0	0	\$0.00

Code	Description	FR Wt (lbs)	Tot Wt (lbs)	Unit (USA DOLLAR)
4AZA	AIR BRAKE ABS (Bendix AntiLock Brake System) Full Vehicle Wheel Control System (4-Channel)	0/0	0	\$0.00
4EBS	AIR DRYER (Bendix AD-9) With Heater	23/4	27	\$445.00
4ETE	BRAKE CHAMBERS, FRONT AXLE (Haldex) 24 SqIn	0/0	0	\$13.00
4EVL	BRAKE CHAMBERS, REAR AXLE (Haldex GC303DLHOHO) 30/30 Spring Brake	0/0	0	\$0.00
	<u>Includes</u> : BRAKE CHAMBERS, SPRING (2) Rear Parking; WITH TRUCK BRAKES: All 4x2, 4x4; WITH TRACTOR BRAKES: All 4x2, 4x4; 6x4 & 6x6 with Rear Tandem Axles Less Than 46,000-lb. or GVWR Up To 54,000-lb. : BRAKE CHAMBERS, SPRING (4) Rear Parking; WITH TRUCK BRAKES: All 6x4, 6x6; WITH TRACTOR BRAKES: 6x4 & 6x6 with Rear Tandem Axles 46,000-lb. or Greater or GVWR of 54,000-lb. or Greater			
4NDB	BRAKES, REAR, AIR CAM S-Cam; 16.5" x 7.0"; Includes 30/30 Sq. In. Long Stroke Brake Chamber and Spring Actuated Parking Brake	0/0	0	\$0.00
4SPM	AIR COMPRESSOR (Bendix) 15.9 CFM Capacity, Single Cylinder	0/0	0	\$0.00
5708	STEERING COLUMN Tilting	10/0	10	\$125.00
5CAL	STEERING WHEEL 2-Spoke, 16" Diam., Black	0/0	0	\$0.00
5PTB	STEERING GEAR (2) (Sheppard M-100/M-80) Dual Power	50/0	50	\$0.00
7BEJ	EXHAUST SYSTEM Single, Horizontal, Aftertreatment Device Frame Mounted Outside Right Rail Under Cab; Includes Vertical Tail Pipe and Guard	0/0	0	\$0.00
	<u>Includes</u> : EXHAUST HEIGHT 10' Exhaust Height - Based on Empty Chassis with Standard Components (+ or - 1" Height) : MUFFLER/TAIL PIPE GUARD Non-Bright Finish			
7VBS	MUFFLER/TAIL PIPE GUARD (1) Bright Stainless Steel	0/0	0	\$133.00
8000	ELECTRICAL SYSTEM 12-Volt, Standard Equipment	0/0	0	\$0.00
	<u>Includes</u> : BATTERY BOX Steel with Fiberglass Cover : DATA LINK CONNECTOR For Vehicle Programming and Diagnostics In Cab : FUSES, ELECTRICAL SAE Blade-Type : HAZARD SWITCH Push On/Push Off, Located on Top of Steering Column Cover : HEADLIGHT DIMMER SWITCH Integral with Turn Signal Lever : HEADLIGHTS (2) Sealed Beam Halogen, 5" X 7" Rectangular, with Chrome Plated Bezels : HORN, ELECTRIC Single : JUMP START STUD Located on Positive Terminal of Outermost Battery : PARKING LIGHT Integral with Front Turn Signal and Rear Tail Light : RUNNING LIGHT (2) Daytime, Included With Headlights			

Code	Description	F/R Wt (lbs)	Tot Wt (lbs)	List (USA DOLLAR)
	: STARTER SWITCH Electric, Key Operated : STOP, TURN, TAIL & B/U LIGHTS Dual, Rear, Combination with Reflector : TURN SIGNAL SWITCH Self-Cancelling for Trucks, Manual Cancelling for Tractors, with Lane Change Feature : TURN SIGNALS, FRONT Includes Reflectors and Auxiliary Side Turn Signals, Solid State Flashers, Flush Mounted : WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature (5 Pre-Set Delays), Integral with Turn Signal Lever : WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted : WIRING, CHASSIS Color Coded and Continuously Numbered			
8695	SNOW SHIELD (2) Chrome; for Dual Air Horns	0/0	0	\$33.00
8718	POWER SOURCE Cigar Type Receptacle without Plug and Cord	1/0	1	\$30.00
8GGN	ALTERNATOR (Bosch LH160) Brush Type, 12 Volt 160 Amp, Capacity, Pad Mounted	0/0	0	\$0.00
8HAB	BODY BUILDER WIRING Back of Standard Cab at Left Frame or Under Extended or Crew Cab at Left Frame; Includes Sealed Connectors for Tail/Amber Turn/Marker/ Backup/Accessory Power/Ground and Sealed Connector for Stop/Turn	3/0	3	\$63.00
8MKL	BATTERY SYSTEM (International) Maintenance-Free, (3) 12-Volt 1950CCA Total	0/0	0	\$0.00
8RJU	RADIO (International) AM/FM Stereo With CD Player, Weatherband, Clock, Auxiliary Input, Includes Multiple Coaxial Speakers	0/0	0	\$474.00
	<u>Includes</u> : SPEAKERS IN CAB (2) Coaxial with Deluxe Interior : SPEAKERS IN CAB (4) Coaxial with Premium Interior			
8THB	BACK-UP ALARM Electric, 102 dBA	0/3	3	\$120.00
8WJV	BATTERY DISCONNECT SWITCH (Joseph Pollak) for Cab Power Disconnect Switch; Lever Operated, Disconnects Power to PDC, Does Not Disconnect Charging Circuits, Cab Mounted	2/0	2	\$217.00
8WML	HEADLIGHTS Long Life Halogen; for Two Light System	0/0	0	\$22.00
8WPH	CLEARANCE/MARKER LIGHTS (5) (Truck Lite) Amber LED Lights, Flush Mounted on Cab or Sunshade	0/0	0	\$70.00
8WVP	HORN, AIR (2) Single Tone, Rectangular, Chrome	0/0	0	\$272.00
8WXG	STARTING MOTOR (Mitsubishi Electric Automotive America 105P) 12-Volt, with Soft-Start	0/0	0	\$0.00
	<u>Notes</u> : This starter is designed to work reliably without the need for thermal overcrank protection and provides the same warranty coverage as starters with thermal overcrank protection.			
8XAH	CIRCUIT BREAKERS Manual-Reset (Main Panel) SAE Type III With Trip Indicators, Replaces All Fuses Except For 5-Amp Fuses	0/0	0	\$0.00
9585	FENDER EXTENSIONS Rubber	0/0	0	\$0.00

INTERNATIONAL

Vehicle Specifications
2011 7600 SBA 6X4 2010 (SF667)

May 11, 2010

Code	Description	F/R Wt (lbs)	Tot Wt (lbs)	List (USA DOLLAR)
9HBM	GRILLE Stationary, Chrome	5/0	5	\$0.00
9WBK	FRONT END Tilting, Fiberglass, With Three Piece Construction Includes Long Hood	0/0	0	\$0.00
10060	PAINT SCHEMATIC, PT-1 Single Color, Design 100 Includes : PAINT SCHEMATIC ID LETTERS "GS"	0/0	0	\$0.00
10761	PAINT TYPE Base Coat/Clear Coat, 1-2 Tone	0/0	0	\$0.00
10769	PAINT CLASS Premium Color.	0/0	0	\$110.00
11001	CLUTCH Omit Item (Clutch & Control)	-135/-21	-156	\$0.00
12864	BLOCK HEATER, ENGINE (Phillips) 120 Volt/1500 Watt Includes : BLOCK HEATER SOCKET Receptacle Type; Mounted below Drivers Door.	2/0	2	\$89.00
12926	RADIATOR HOSES Silicone; Molded	0/0	0	\$104.00
128AT	ENGINE, DIESEL (MaxxForce 11) EPA 10, 390 HP @ 1700 RPM, 1450 lb-ft Torque @ 1000 RPM, 2100 RPM Governed Speed, 390 Peak HP (Max) Includes : AIR COMPRESSOR AIR SUPPLY LINE Naturally-Aspirated : COLD STARTING EQUIPMENT Automatic; With Engine ECM Control : CRUISE CONTROL Electronic; Controls Integral to Steering Wheel : ENGINE BLOCK Compacted Graphite Iron : ENGINE SHUTDOWN Electric, Key Operated : FUEL FILTER Top Access, Cartridge Type Filter Element; Engine Mounted : FUEL SYSTEM High Pressure Common Rail : GOVERNOR Electronic : HEAT MANAGEMENT SYSTEM Eco-Therm : OIL FILTER, ENGINE Drop-In Cartridge Type : OIL PAN Laminate Steel Composite : TURBO Twin Series : WET TYPE CYLINDER SLEEVES	0/0	0	\$669.00
12THJ	FAN DRIVE (Horton Drivemaster) Automatic On/Off Type, With Normally Closed Temperature Control Includes : FAN Nylon	0/0	0	\$0.00
12UBL	RADIATOR Aluminum; Welded, Front to Back CrossFlow System, 1593 SqIn, 1929 SqIn Dual CAC, 1548 SqIn 3 Core LTR Includes : ANTI-FREEZE Yellow Shell Rotella Extended Life Coolant; -40 Degrees F/-40 Degrees C; for MaxxForce Engines : DEAERATION SYSTEM with Clear Fill/Surge Tank : HOSE CLAMPS, RADIATOR HOSES Gates Shrink Band Type; Thermoplastic Coolant Hose Clamps : RADIATOR HOSES Premium, Rubber	0/0	0	\$0.00

INTERNATIONAL

Vehicle Specifications
2011 7600 SBA 6X4 2010 (SF667)

May 11, 2010

Code	Description	E/R Wt (lbs)	Tot Wt (lbs)	List (USA DOLLAR)
12UXJ	FEDERAL EMISSIONS for 2010; MaxxForce 11 Engines	0/0	0	\$8,000.00
12VBC	AIR CLEANER Single Element	0/0	0	\$0.00
	<u>Includes</u> : AIR CLEANER with Vacuator : GAUGE, AIR CLEANER RESTRICTION Air Cleaner Mounted			
12WEG	COLD STARTING EQUIPMENT Automatic; With Engine ECM Control	4/0	4	\$0.00
12WTA	FAN DRIVE SPECIAL EFFECTS Fan Cooling Ring with Fan Shroud Effects, Engine Mounted	15/0	15	\$0.00
12WZE	EMISSION COMPLIANCE Federal, Does Not Comply With California Clean Air Regulations	0/0	0	\$0.00
13AMN	TRANSMISSION, AUTOMATIC (Allison 4500_RDS_P) 4th Generation Controls; Wide Ratio, 6-Speed, With Double Overdrive; On/Off Hwy; Includes Oil Level Sensor, With PTO Provision, Less Retarder	0/0	0	\$23,327.00
	<u>Includes</u> : OIL FILTER, TRANSMISSION Mounted on Transmission : TRANSMISSION OIL PAN Magnet in Oil Pan			
13WAV	OIL COOLER, AUTO TRANSMISSION (Modine) Water to Oil, for Allison or CEE-MAT Transmission	25/0	25	\$667.00
13WBL	TRANSMISSION SHIFT CONTROL (Allison) Push-Button Type; for Allison 3000 & 4000 Series Transmission	0/0	0	\$0.00
13WUH	ALLISON SPARE INPUT/OUTPUT for Rugged Duty Series (RDS); Airport Refueler, Sewer Evac	0/0	0	\$0.00
13XAA	PTO CONTROL, DASH MOUNTED For Customer Provided PTO; Includes Switch, Electric/Air Solenoid, Piping and Wiring	5/0	5	\$118.00
14HRD	AXLE, REAR, TANDEM (Mentor RT-46-164EH) Single Reduction, Standard Width, 46,000-lb Capacity, With Driver Controlled Locking Differential in Rear Rear Axle and 200 Wheel Ends, Gear Ratio: 5.63	0/525	525	\$3,862.00
	<u>Includes</u> : POWER DIVIDER LOCK Electric over Air Operated, Cab Control with Indicator Light : REAR AXLE DRAIN PLUG (2) Magnetic; For Tandem Rear Axle			
	<u>Notes</u> : When Specifying Axle Ratio, Check Performance Guidelines and TCAPE for Startability and Performance			
14ULY	SUSPENSION, REAR, TANDEM (Hendrickson HMX-460-54) Walking Beam Type 54" Axle Spacing; 46,000-lb Capacity, With Rubber End Bushings, Transverse Torque Rods, Less Shock Absorbers	0/17	17	\$703.00
	<u>Includes</u> : CROSSMEMBER, SUSPENSION Stamped Steel Double Dogbone			

INTERNATIONAL*

Vehicle Specifications
2011 7600 SBA 6X4 2010 (SF667)

May 11, 2010

Code	Description	F/R Wt (lbs)	Tot Wt (lbs)	List (USA DOLLAR)
14WAL	SUSPENSION/REAR-AXLE IDENTITY for Meritor Tandem Rear Axles With Bar-Pin Beam Attachment Type Suspensions	0/0	0	\$191.00
15LKU	FUEL/WATER SEPARATOR (Racor) Fuel Pre-Filter and Filter Base, 10 Micron	0/0	0	\$0.00
15SGD	FUEL TANK Top Draw, D Style, Non Polished Aluminum, 100 U.S. Gal., 378.5 L Capacity, 19.0" Tank Depth, Mounted Left Side Under Cab	-5/0	-3	\$367.00
16030	CAB Conventional	0/0	0	\$0.00
	<u>Includes</u>			
	: ARM REST (2) Molded Plastic, One Each Door			
	: CLEARANCE/MARKER LIGHTS (5) Flush Mounted			
	: COAT HOOK, CAB Located on Rear Wall, Centered Above Rear Window			
	: CUP HOLDERS Two Cup Holders, Located in Lower Center of Instrument Panel			
	: DOME LIGHT, CAB Rectangular, Door Activated and Push On-Off at Light Lens, Timed Theater Dimming, Integral to Console, Center Mounted			
	: GLASS, ALL WINDOWS Tinted			
	: GRAB HANDLE, CAB INTERIOR (1) "A" Pillar Mounted, Passenger Side			
	: GRAB HANDLE, CAB INTERIOR (2) Front of "B" Pillar Mounted, One Each Side			
	: INTERIOR SHEET METAL Upper Door (Above Window Ledge) Painted Exterior Color			
	: STEP (4) Two Steps per Door			
16075	HEATER HOSES Silicone	0/0	0	\$78.00
16H8A	GAUGE CLUSTER English With English Electronic Speedometer	0/0	0	\$0.00
	<u>Includes</u>			
	: GAUGE CLUSTER (6) Engine Oil Pressure (Electronic), Water Temperature (Electronic), Fuel (Electronic), Tachometer (Electronic), Voltmeter, Washer Fluid Level			
	: ODOMETER DISPLAY, Miles, Trip Miles, Engine Hours, Trip Hours, Fault Code Readout			
	: WARNING SYSTEM Low Fuel, Low Oil Pressure, High Engine Coolant Temp, and Low Battery Voltage (Visual and Audible)			
16HGH	GAUGE, OIL TEMP, ALLISON TRAN	1/0	1	\$48.00
16HKT	IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster	0/0	0	\$0.00
16JNV	SEAT, DRIVER (National 2000) Air Suspension, High Back With Integral Headrest, Cloth, Isolator, 1 Chamber Lumbar, 2 Position Front Cushion Adjust, -3 to +14 Degree Back Angle Adjust	0/0	0	\$41.00
	<u>Includes</u>			
	: SEAT BELT 3-Point, Lap and Shoulder Belt Type			
16PHX	SEAT, PASSENGER (Gra-Mag) Non Suspension, High Back, Fixed Back, Integral Headrest, Cloth	31/10	41	\$331.00
	<u>Includes</u>			
	: SEAT BELT 3-Point, Lap and Shoulder Belt Type			

INTERNATIONAL

Vehicle Specifications
2011 7600 SBA 6X4 2010 (SF667)

May 11, 2010

Code	Description	F/R Wt (lbs)	Tot Wt (lbs)	List (USA DOLLAR)
16SDP	MIRRORS (2) (Lang Mekra) Styled; Rectangular, 7.09" x 15.75" & Integral Convex Both Side, 102" Inside Spacing, Breakaway Type, Heated Heads Thermostatic Controlled, Bright Finish Heads and Brackets	7/0	7	\$294.00
16VCT	AIR CONDITIONER (Blend-Air) With Integral Heater & Defroster <u>Includes</u> : CLAMPS, HEATER HOSE Mubea Constant Tension Clamps : HEATER HOSES Premium : REFRIGERANT Hydrofluorocarbon HFC-134A	0/0	0	\$823.00
16WJS	INSTRUMENT PANEL Center Section, Flat Panel	0/0	0	\$0.00
16WJU	WINDOW, POWER (2) And Power Door Locks, Left and Right Doors, Includes Express Down Feature	5/0	5	\$367.00
16WKY	FRESH AIR FILTER for HVAC	4/0	4	\$0.00
16WLE	STORAGE POCKET, DOOR Molded Plastic, Full Width; Mounted on Passenger Door	0/0	0	\$0.00
16WRX	CAB INTERIOR TRIM Deluxe <u>Includes</u> : "A" PILLAR COVER Molded Plastic : CAB INTERIOR TRIM PANELS Cloth Covered Molded Plastic, Full Height; All Exposed Interior Sheet Metal is Covered Except for the Following: with a Two-Man Passenger Seat or with a Full Bench Seat the Back Panel is Completely Void of Covering : CAB, INTERIOR TRIM, CLOSEOUT Lower Dash Closeout Panel; Molded Plastic; Under Instrument Panel Driver Side : CONSOLE, OVERHEAD Molded Plastic; With Dual Storage Pockets with Retainer Nets and CB Radio Pocket : DOOR TRIM PANELS Molded Plastic; Driver and Passenger Doors : FLOOR COVERING Rubber, Black : HEADLINER Soft Padded Cloth : INSTRUMENT PANEL TRIM Molded Plastic with Black Center Section : STORAGE POCKET, DOOR (1) Molded Plastic, Full-Length; Driver Door : SUN VISOR (2) Padded Vinyl with Driver Side Toll Ticket Strap, Integral to Console	0/0	0	\$0.00
16WSK	CAB REAR SUSPENSION Air Bag Type	0/0	0	\$0.00
26DRA	WHEEL, SPARE, DISC 22.5" Painted Steel, 10 Stud (285.75MM BC Hub Piloted) 8.25 DC Rim	41/41	82	\$153.00
27DMV	WHEELS, FRONT DISC; 22.5" Painted Steel, 5 Hand Hole, 10- Stud (285.75MM BC) Hub Piloted, Flanged Nut, Metric Mount, 9.00 DC Rims; With Steel Hubs. <u>Includes</u> : PAINT IDENTITY, FRONT WHEELS White : WHEEL SEALS, FRONT Oil Lubricated, Includes Wheel Bearings <u>Notes</u> : Compatible Tire Sizes: 12R22.5, 295/75R22.5, 295/80R22.5, 315/80R22.5	123/0	123	\$265.00

Code	Description	F/R Wt (lbs)	Tot Wt (lbs)	List (USA DOLLAR)
28DMA	WHEELS, REAR DUAL DISC; 22.5" Painted Steel, 2 Hand Hole, 10-Stub (285.75MM BC) Hub Piloted, Flanged Nut, Metric Mount, 8 25 DC Rims; With Steel Hubs <u>Includes</u> : PAINT IDENTITY, REAR WHEELS White : WHEEL SEALS, REAR Oil Lubricated, Includes Wheel Bearings <u>Notes</u> : Compatible Tire Sizes: 11R22.5, 12R22.5, 255/70R22.5, 255/80R22.5, 265/75R22.5, 275/70R22.5, 275/80R22.5, 295/75R22.5, 295/80R22.5	0/0	0	\$0.00
60AAA	BDY INTG, REMOTE POWER MODULE Mounted Under Cab or On Battery Box; Up to 6 Outputs & 6 Inputs, Max. 20 amp. per Channel, Max. 80 amp. Total (Includes 1 Switch Pack With Latched Switches)	4/0	4	\$508.00
7392155406	(8) TIRE, REAR 12R22.5 HDR (CONTINENTAL) 481 rev/mile, load range H, 16 ply	0/168	168	\$1,552.00
7782548109	(2) TIRE, FRONT 315/80R22.5 G289 WHA (GOODYEAR) 484 rev/mile, load range L, 20 ply	70/0	70	\$968.00
Total of Product Features				\$176,924.00
Cab schematic 100GS				
Location 1: 5047, Green (Prem)				
Chassis schematic N/A				
Total Component Weight:		8442/7867	16309	
Total List Price Including Options:				\$176,924.00
1	CUSCO SEPTIC SYSTEM 4000 SPECS ATTACHED, PRICE INCLUDES HINSILBLON ORDER CONTROL SYSTEM AND FREIGHT FROM BODY COMPANY	0/0	0	\$46,031.00
Total Body Allied:		0/0	0	\$46,031.00
SERVICE MANUAL DVD		0/0	0	\$270.00
MOTOROLA MOBILE RADIO - 4 CHANNEL- 45 WATT, 1/4 ANTENNA, INSTALLED BY RADIO NORTH		0/0	0	\$659.00
Total Goods Purchased:		0/0	0	\$939.00

The weight calculations included in this proposal are an estimate of future vehicle weight. The actual weight as manufactured may be different from the estimated weight. Navistar, Inc. shall not be liable for any consequences resulting from any differences between the estimated weight of a vehicle and the actual weight.

<u>Description</u>	(USA DOLLAR)	<u>Price</u>
Factory List Prices:		
Product Items	\$176,924.00	
Service Items	\$0.00	
Total Factory List Price Including Options:		\$176,924.00
Total Goods Purchased:		\$939.00
VERMONT STATE	\$95.00	
INSPECT, FLAGS/FLARES, FIRE EXT		
Total Preparation And Delivery:		\$95.00
FREIGHT	\$1,750.00	
Total Freight:		\$1,750.00
Total Factory List Price Including Freight:		\$179,708.00
Less Customer Allowance:		(\$70,591.40)
Total Vehicle Price:		\$109,116.60
Total Body/Allied Equipment:		\$46,031.00
Total Sale Price:		\$155,147.60
Total Per Vehicle Sales Price:		\$155,147.60
Less Trade-In Allowance:		(\$9,500.00)
Net Sales Price:		\$145,647.60

Please feel free to contact me regarding these specifications should your interests or needs change. I am confident you will be pleased with the quality and service of an International vehicle.

Approved by Seller:

Accepted by Purchaser:

PRESIDENT 5/12/10

Official Title and Date

Authorized Signature

Firm or Business Name

Authorized Signature and Date

This proposal is not binding upon the seller without
Seller's Authorized Signature

Official Title and Date

TRADE: 1994 INTERNATIONAL MODEL 2574
SER #1HTGGA6T6RH530315



305 Enford Road
Richmond Hill, Ontario
Canada
L4C 3E9
Tel: 1-800-490-3541 / (905) 883-1214
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www.wastequip-cusco.com

April 12, 2010

J&B International Trucks, Inc.
964 Hercules Drive
PO Box 678
Colchester, Vermont
05446

Attn.: Mr. Ed Clearly Ph.802-655-1000 Fax: 802-655-3944
Email: ed.clearly@jbintrucks.com

Dear Sir:

We are pleased to quote on the CUSCO SEPTIC SYSTEM 4000 with the following specifications (Truck Mounted):

QUANTITY:
One

TANK CAPACITY:
4000 USG

DESIGN:
Design shall withstand 15-PSI internal pressure and full vacuum.

HEAD MATERIAL:
0.250 44W

SHELL MATERIAL:
0.250 44W

TANK DIAMETER:
78" OD

PRESSURE RELIEF:
2" brass pressure relief valve, 15 PSIG setting mounted top of tank.

PRIMARY SHUT-OFF:

Initial _____

Customer

12" heavy-duty internal shut-off with 6" SS float ball / cage assembly and neoprene rubber seat top front of tank.

BAFFLE:

Two anti-surge half baffle.

MANWAY:

20" diameter located top of tank.

REAR CLEANOUT:

24" diameter rear clean out assembly located bottom center of rear head.

LIQUID LEVEL:

Stainless Steel construction rotary float gauge with 6" float ball assembly located at left side of tank, front.

SUCTION VALVE:

None.

DISCHARGE VALVE:

4" Betts air operating quick acting heated valve with aluminum Kamlok fittings located bottom of tank at rear. Includes controls at rear.

VANE PUMP SPECIFICATIONS:

Fruitland RCF1200 air cooled vacuum/pressure pump 625 CFM free air rating, 28" Hg maximum vacuum located on driver side.

DRIVE:

Gearbox driven from air shift PTO comes with mounting frame, pump located on driver's side on truck chassis.

SECONDARY SHUT-OFF:

Exterior moisture trap assembly with drain valve.

V.P. MUFFLER:

4" muffler / oil trap assembly drain valve.

V.P. PIPING:

Single 4" diameter piping, vacuum pump flush port and wire reinforced rubber hose.

DRAINAGE:

Tank sloped to rear for positive drainage.

GAUGES:

Vacuum / pressure gauge.

Customer

Initial _____

SIDE TRAYS:

Full length side boxes for hose storage / fender assembly with anti sail mud flaps.

TRIM:

Ladder located on driver side, two rear hose hooks and two toolbox (24" x 24" x 36") assembly.

LIGHTING:

DOT LED lighting three lamp rear module assembly, clearance lamps, reflectors, three in a row clearance markers, two rear work lights, two side mounted work lights on driver side above vacuum pump, all wiring in plastic tubing.

BUMPER:

Standard rear bumper with small platform and step.

ADDITIONAL ITEMS INCLUDED:

- Inside of tank to be sandblasted and coated with 5 mil of coal tar epoxy lining.
- 1" ball valve at rear of tank located near 4" discharge valve for sampling.
- 2-4" discharge hose x 10 ft. long with aluminum Kamlok fittings.
- Whelen 2020HDA mounted on roof of cab.

PAINTING:

The entire tank and body of the vacuum system shall be sandblasted and primed with two (2) coats of primer and painted with two (2) coats of single stage Sherwin Williams paint. Please note there may be an additional cost for base coat clear coat cab matches in the event that your proposed paint color cannot be matched to a Sherwin Williams single stage paint code."

INSTALLATION:

Complete system installed on customer supplied truck chassis, specifications to be determined. Please note if truck is 2010 model year with new emissions configuration additional charges could apply.

F.O.B.:

Cusco plant, Richmond Hill, Ontario, Canada

PRICE:

\$43,231.00 US ✓

OPTION:

- Stainless steel side trays in lieu of steel side trays. \$1,900.00 US
- Vacuum pump Odor Control system designed to neutralize odor. System connected to vacuum pump exhaust and is self-adjusting when vacuum pump is switched from vacuum mode to pressure mode or vice versa. System comes complete with 5 USG of G & F odor neutralizer. \$1,500.00 US ✓
- Delivery Burlington, VT 05401 \$1,300.00 US ✓

initial _____

Customer



J&B INTERNATIONAL TRUCKS, INC.

964 Hercules Drive * PO Box 678

Colchester, VT 05446

(802) 655-1000 * (800) 639-1290

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